

Liquid Recovery Systems, Inc.

Land and Lakes

Stony Island Reclamation Co.

123 N. NORTHWEST HIGHWAY
(708) 825-5000 / FAX (708) 825-0887

P.O. BOX 778

PARK RIDGE, ILLINOIS 60068-0778

RECEIVED

January 11, 1991

JAN 14 1991

Environmental Protection Agency
Division of Water Pollution Control
Permit Section-Springfield
State of Illinois

EXPRESS MAIL
B12913144W

Mr. Clarence Smith
Illinois Environmental Protection Agency
Division of Land Pollution Control
2200 Churchill Road
P. O. Box 19276
Springfield, Illinois 62794-9276

Ms. Sandra Bron
Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
P. O. Box 19276
Springfield, Illinois 62794-9276

CERTIFIED MAIL
#P 337 741 465

Re: Non-Hazardous Centralized Industrial Pretreatment Facility,
Liquid Recovery Systems, Inc.
IEPA Log No. 1990-300

Dear Clarence and Sandra:

We hereby submit this application to **OPERATE** our new treatment facility, Liquid Recovery Systems, Inc. (LRS), as the project has been completed in accordance with all developmental plans and specifications.

In an effort to communicate with all IEPA divisions, we have addressed this application to the IEPA Division of Land Pollution and the Division of Water Pollution even though an operating permit will not be required by the Division of Water Pollution. We secured an Operating Permit from the Division of Air Pollution on September 25, 1990.

For your information, review and approval, we have attached the following:

1. IEPA General Application for Permit (LPC-PA1).
2. IEPA Application for Operating Permit (LPC-PA4).
3. IEPA Division of Air Pollution Permit dated 9-25-90, Division of Land Pollution Permit dated 9-25-90, Division of Water Pollution Permit dated 10-17-90.
4. A revised Operating Record.
5. A revised Residuals Management Plan.

EPA Region 5 Records Ctr.



354153

6. A revised Inspection Schedule.
7. Certifications of Completeness and Adequacy.
8. Baxter & Woodman's response to Items 7, 8, 9 and 10 of the developmental permit dated 9-25-90.
9. As-Built drawings.

We will comply with all current rules and regulations set forth by the IEPA and the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) {see attached letter dated 12-27-90}. The information and records required by the IEPA and the MWRDGC will be available for review by the IEPA and the MWRDGC at LRS.

Lastly, per our discussions with Clarence, we wish to clarify the following items in developmental permit 1990-300 dated September 25, 1990:

2.A.	<u>Tank Designation</u>	<u>Gallons</u>	<u>Use</u>
	T-1	15,000	Miscellaneous waste
	T-2	15,000	Waste to filter only
	T-3	15,000	Oily waste
	T-4	15,000	Untreatable waste
	T-5	15,000	Food waste
	T-6	30,000	Food waste
	T-7	30,000	Leachate

The above tank uses were shown on Drawing 1 of 8 dated June 20, 1990.

- 2.B.3. One (1) sand filter and appurtenances was shown on the drawing dated June 20, 1990.
19. We anticipate obtaining three or four generic waste stream permits for the facility.
20. Recovered fats and greases are not considered special waste. Special wastes generated at the facility for disposal, storage, incineration or further treatment at other than Land and Lakes #3 shall be transported to the receiving facility, utilizing the Agency's Supplemental Permit and Manifest System.

James Smith and Sandra Bron
Illinois Environmental Protection Agency
January 11, 1991
Page 3

We look forward to your inspection of the facility as we are anxious to begin operations. If there are any questions, please call.

Sincerely,

LIQUID RECOVERY SYSTEMS, INC.



Daniel R. Wierc
Project Manager

DRW:sls

Enclosures

cc: Cliff Gould, IEPA Land Division, Maywood (2 Sets) Cert.Mail #P337741466.
Ed Marek, IEPA Water Division, Maywood (2 Sets) Cert.Mail #P337741467.
Tom Tutein, Baxter & Woodman (w/enclosure)
John Ward, O'Keefe Ashenden Lyons & Ward (w/enclosure)
Mr. Cowhey, Land and Lakes Company
Jim Cowhey, Land and Lakes Company
Jim Ambroso, Land and Lakes Company

General Application for Permit (LPC-PA1)

This form must be used for any application for permit from the Division of Land Pollution Control, except for waste stream permits and permits for the composting of landscape waste only. Attach any necessary plans, specifications, reports, etc. to fully support and describe the activities or modifications being proposed. If necessary, attach sufficient information to demonstrate compliance with all applicable RCRA requirements.

SITE IDENTIFICATION

Name: Land and Lakes #3 Site # (IEPA): 0 3 1 6 0 0 0 0 3 4
 City: Chicago, IL County: Cook
 Existing DE/OP Permit Nos. (if applicable): 1990-300, 1988-240, 1986-133-SP/DE

OWNER

Name: Stony Island Reclamation Co.
 Address: 123 North Northwest Highway
Park Ridge, IL 60068

Contact Name: James J. Cowhey
 Phone #: (708) 825-5000

OPERATOR

Liquid Recovery Systems, Inc.
123 North Northwest Highway
Park Ridge, IL 60068

Daniel Wierc
(708) 825-5000

TYPE SUBMISSION:

Developmental
 Operating X
 Supplemental
 Permit Transfer
 Name Change
 Closure/Post Closure
 Certification

TYPE FACILITY:

Landfill
 Land Treatment
 Transfer Station
 Treatment X
 Storage
 Incinerator
 Composting
 Recycling/Reclamation
 Other

TYPE WASTE:

General Municipal Refuse
 Hazardous
 Special (Non-Hazardous) X
 Demo Debris (ex. putrescible)
 Demo Debris (incl. putrescible)
 Used Oil
 Solvents
 Landscape/Yard Waste
 Other (Specify)

DESCRIPTION OF PROJECT: (Include a brief narrative description here.)

Treatment of non-hazardous liquids and sludges.

COMPLETENESS REQUIREMENTS

The following items must be submitted unless they are either not required, or have previously been approved. Any items marked "N/A" must be fully explained. For example, a treatment facility may indicate "N/A" for prior conduct certification and explain that certification is not required for treatment facilities. Please refer to the instructions for further guidance.

1. Have all public notice letters been mailed and is documentation enclosed? X Yes No N/A

This Agency is authorized to require this information under Ill. Rev. Stat., 1979, Chapter 111 1/2 Section 1039. Disclosure of this information is required and failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

2.a. Is the Siting Certification Form (LPC-PA8) completed and enclosed? ☐ Yes ☐ No

b. Is siting approval currently under litigation? ☐ Yes ☐ No

3. Is a closure, and if necessary a post closure, plan covering these activities being submitted, or has one already been approved? (Provide permit number 1990-300.) ☐ Yes ☐ No ☒ N/A

4. Are financial assurance documents being submitted? ☐ Yes ☒ No

5. Is a request for prior conduct certification for the chief operator being submitted, or is the chief operator currently certified? (Provide OC # _____ and date of certification ____ / ____ / ____.) ☐ Yes ☐ No ☒ N/A

6.a. Is land ownership held in beneficial trust? ☐ Yes ☒ No ☐ N/A

b. If yes, is a beneficial trust certification form (LPC-PA9) completed and enclosed? ☐ Yes ☐ No ☒ N/A

SIGNATURES

All applications shall be signed by the person designated below or by a duly authorized representative of that person:

Corporation - By a principal executive officer of at least the level of vice-president.

Partnership or Sole Proprietorship - By a general partner or the proprietor, respectively.

Government - By either a principal executive officer or a ranking elected official.

A person is a duly authorized representative only if:

- the authorization is made in writing by a person described above; and
- is submitted with this application (a copy of a previously submitted authorization can be used).

I hereby affirm that all information contained in this Application is true and accurate to the best of my knowledge and belief.

Owner Signature: _____

Title: James J. Cowhey, President

January 11, 1991
(Date)

Operator Signature: _____

Title: James J. Cowhey, President

January 11, 1991
(Date)

Engineer Signature: _____

Engineer Name: Daniel Wierc Reg. 62-042163

January 8, 1991
(Date)
Engineer Seal:

Engineer Address: 123 N. Northwest Highway
Park Ridge, IL 60068

Engineer Phone No.: (708) 825-5000

All information submitted as part of the Application is available to the public except when specifically designated by the Applicant to be treated confidentially as a trade secret or secret process in accordance with Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Agency rules and guidelines.

LWE:tk:5/11/49-6(10/25/89)

APPLICATION FOR OPERATING PERMIT (LPC-PA4)

Facility Identification:

Name of Facility: Land and Lakes #3Site Number: 0 3 1 6 0 0 0 0 3 4Developmental Permit Number: 1990-300, 1986-133-SP/DE Date Issued: September 25, 1990

II.A. Applicant Identification:

OperatorOwnerName: Liquid Recovery Systems, Inc.Name: Stony Island Reclamation Co.Phone Number: 708/825-5000Phone Number: 708/825-5015Agency correspondence mailed to: Owner X Operator Other (Explain)

B. Site Ownership:

☒ Presently Owned by Applicant
☐ Presently Owned by Trust
☐ Presently Owned by Corporation

☐ To be Leased by Applicant for years
☐ Years of Lease Remaining:
☐ Beginning Date of Lease:
☐ Expiration Date of Lease:

Operated by: ☒ Illinois Corporation ☐ Partnership ☐ Government ☐ Individual
☐ Trust ☐ Other:

III. Location Information:

Attach a copy of the United States Geological Survey (USGS) quadrangle map. -Previously submitted

Describe the exact area or unit which is being requested to operate: Non-hazardous CentralizedIndustrial Pretreatment facility as approved by permit 1990-300 dated September 25, 1990

IV. Financial Assurance:

Are financial assurance documents included? ☐ Yes ☒ No ☐ N/A
(Use Original Agency Forms).

V. Documentation:

Are all necessary reports and information required
in the Developmental permit(s) provided? ☒ Yes ☐ No ☐ N/A

VI. Certification:

I hereby certify that the facility has been developed in accordance with IEPA Development Permit
No. 1990-300 and any applicable supplemental permit(s).

Engineers:

Seal:

Name: Daniel Wierec

Address: 123 N. Northwest Highway

Park Ridge, Illinois 60068

Phone No.: 708/825-5000

Signature: Daniel Wierec

EB:tk:5/13/35(12/6/89)

Date: January 8, 1991

To Elected Officials and Concerned Citizens:

The purpose of this notice is to inform you that a permit application has been submitted to the IEPA, Division of Land Pollution Control, for a solid waste project described below. You are not obligated to respond to this notice, however, if you have any comments, please submit them in writing to the address below, or call the Permit Section at 217/782-6762, within twenty-one (21) days.

Illinois Environmental Protection Agency
Permit Section, Division of Land Pollution Control (#24)
2200 Churchill Road, P.O. Box 19276
Springfield, IL 62794-9276

The permit application, which is identified below, is for a project described at the bottom of this page.

SITE IDENTIFICATION

Site Name: Land and Lakes #3

Site # (IEPA): 0 3 1 6 0 0 0 0 3 4

Address: 2000 E. 122nd Street

City: Chicago, IL 60633

County: Cook

TYPE PERMIT SUBMISSION:

TYPE FACILITY:

TYPE WASTE:

Development
Operating X
Supplemental
Transfer
Name Change
Waste Stream

Landfill
Land Treatment
Transfer Station
Treatment Facility X
Storage
Incinerator
Composting
Recycling/Reclamation
Other

General Municipal Refuse
Hazardous
Special (Non-Hazardous) X
Demo Debris (ex. putrescible)
Demo Debris (incl. putrescible)
Used Oil
Solvents
Landscape/Yard Waste
Other (Specify)

DESCRIPTION OF PROJECT: (For multiple waste stream applications, see reverse side.)

Treatment of non-hazardous liquids and sludges.

Liquid Recovery Systems
Notification List

Mr. Jack O'Malley
Cook County State's Attorney
118 N. Clark St., Room 434
Chicago, IL 60602

Mr. Glen E. Carr, Chief
Public Interest Bureau
500 Daley Center
Chicago, IL 60602

Mr. Richard Phelan
County Board Chairman
118 N. Clark Street
Chicago, IL 60602

Rep. Clem Balanoff
10100 S. Ewing Ave.
Chicago, IL 60617

City Clerk
City of Chicago
121 N LaSalle St
Chicago, IL 60602

Village Clerk
Village of Riverdale
325 W. 142nd St
Riverdale IL 60627-2332

City Clerk
City of Harvey
15320 Broadway
Harvey, IL 60426

Sen Howard B. Brookins
500 W. 95th St
Chicago IL 60628

Village Clerk
Village of Dolton
14014 Park Ave.
Dolton, IL 60419

Village Clerk
Village of South Holland
16226 Wausau Avenue
South Holland, IL 60473

Village Clerk
Village of Burnham
13925 Entre Ave.
Burnham IL 60633

City Clerk
City of Calumet City
204 Pulaski Road
Calumet City IL 60409

Village Clerk
Village of Phoenix
15240 Vincennes Road
Phoenix IL 60425

Mr. Cecil Lue-Hing, D.Sc., P.E.
Director, Research & Devel.
Metro. Water Reclamation Dist.
of Greater Chicago
100 E Erie St.
Chicago, IL 60611

782-6762

Refer to: 0316000034 -- Cook County
Land & Lakes #3 - Liquid Recovery Systems
Permit No. 1978-2-OP
Supplemental Permit No. 1986-133-SP/DE
Log No. 1990-300 (1988-240, 1986-133)
State Permit File

October 21, 1986
Revised September 25, 1990

Stony Island Reclamation
123 North Northwest Highway
Park Ridge, Illinois 60068

Liquid Recovery Systems, Inc.
123 North Northwest Highway
Park Ridge, Illinois 60068

Gentlemen:

Supplemental Permit is hereby granted to Stony Island Reclamation as owner and Liquid Recovery Systems as operator to develop a 255,000 gpd non-hazardous, liquid waste treatment facility, in accordance with the plans prepared by Baxter & Woodman. Final plans, specifications, application and supporting documents as submitted and approved shall constitute part of this permit and are identified in the records of the Illinois Environmental Protection Agency, Division of Land Pollution Control, by the permit numbers and log numbers designated in the heading above.

This permit is issued subject to the standard conditions attached hereto and incorporated herein by reference and further subject to the following special conditions:

1. This permit is for construction and development only, no waste may be received for treatment at this facility until such time as an Operating Permit has been issued by this Division.
2. This permit allows Stony Island Reclamation to construct and develop the following units:

A. Tanks

Tank Designation	Volume (Gallons)	Use
T-1	15,000	Raw waste (fat and grease) storage/batch treatment
T-2	15,000	Raw waste (fat and grease) storage/batch treatment
T-3	15,000	Raw waste (fat and grease) storage/batch treatment

Page 2

T-4	15,000	Raw waste (liquid and solid) storage
T-5	10,000	Raw waste (soap and laundry) storage
T-6	30,000	Raw waste (water and oil) storage
T-7	30,000	Raw waste (water and oil) storage
T-8	6,000	Isolated chemical treatment tank
T-9	6,000	Isolated chemical treatment tank
T-10	20,000	Effluent water storage tank
T-11	20,000	Effluent water storage tank
T-12	5,000	Recovered fat and grease storage tank
T-13	5,000	Recovered oil storage tank

B. Processing Units

1. Two (2) rotary precoat vacuum filters and appurtenances;
 2. Two (2) activated carbon filters and appurtenances;
 3. Two (2) sand filters and appurtenances;
 4. One (1) pug mill and appurtenances;
 5. One (1) solidification/stabilization pit;
 6. All other corresponding sumps, pumps, piping, controls, chemical feed systems, loading and unloading areas and appurtenances.
3. This permit allows the development of three treatment units to handle the following non-hazardous special waste streams: (255,000 gpd maximum facility total).
- A. Non-hazardous food and non-food wastes (120,000 gpd maximum unit total).
1. Food wastes requiring chemical addition.

2. Food wastes not requiring chemical addition.
 3. Non-food wastes requiring chemical addition.
 4. Non-food wastes not requiring chemical addition.
 5. Wastes requiring separate treatment.
- B. Non-hazardous landfill leachate (95,000 gpd maximum unit total).
- C. Non-hazardous wastes to be solidified/stabilized (40,000 gpd maximum unit total).
4. In the facility's application for an Operating Permit, the following information shall be included:
- A. A revised operating record including:
1. A tracking mechanism for the wastes received and the treatment method used.
 2. A tracking mechanism for the disposition of all residuals and treated wastes from the facility.
 3. A revised inspection schedule detailing an inspection scheme for each tank, treatment unit, and appurtenances (pumps, sumps, piping).
5. The following information and reports shall be submitted to the Agency for review with the facility's application for Operating Permit.
- A. A report documenting that the new tank systems were inspected by a qualified independent inspector or an independent registered professional engineer in Illinois who is trained and experienced in the proper installation of tank systems and components. This report must address the following items:
1. weld breaks
 2. punctures
 3. scrapes of protective coatings
 4. cracks
 5. corrosion
 6. other structural damage or inadequate construction/installation.
- All defects noted during this inspection must be remedied prior to the application for an operating permit.
- B. A copy of the hydrostatic (leak) test performed on all of the new tanks and ancillary equipment, including a description of any repairs required by the system to remedy the leaks.

- C. Certification by an independent, Illinois registered professional engineer that all tanks and ancillary equipment were designed and installed in a manner that supports it and protects it against physical damage and excessive stress due to settlement, vibration, expansion or contraction.
 - D. Certification by a qualified independent, Illinois registered professional engineer that all secondary containment systems are in place as approved in the permit application.
- 6. All tanks must have the following activities performed on an annual basis:
 - A. Visual internal inspection to verify structural integrity.
 - B. Non-destructive ultrasonic testing to verify metal thickness.
 - 7. All tanks, lines, pumps, and appurtenances must have a continuous internal corrosion monitoring program in place before any wastes are accepted into the units.
 - 8. All tanks, lines, pumps and appurtenances must have an internal corrosion protection system (e.g., coatings or cathodic protection) in place before any wastes are accepted into the units.
 - 9. All tanks, lines, pumps and appurtenances must have an external corrosion protection system (e.g., coatings or cathodic protection) in place before any wastes are accepted into the units.
 - 10. The results of the facility's corrosion monitoring program shall be placed in the operating record and be made available to the Agency upon written or verbal request.
 - 11. All generators which send waste to this facility must have an IEPA generator number.
 - 12. The following information shall be documented in the facility's operating record for each load of special waste received:
 - A. Date the load was received.
 - B. Supplemental waste stream permit number (authorization number) and manifest number associated with the waste load.
 - C. Waste name (as identified in Special Condition 3).
 - D. Volume of waste received.
 - E. Generator name, location and IEPA generator number.

- F. Results of all analyses conducted on the load of waste (if applicable).
 - G. Documentation as to whether the load of waste was received in bulk or drums.
13. The following information shall be documented in the facility's operating record for all special waste treatment products and treated effluents discharged to the MWRDGC, deposited in Land and Lakes #3 landfill or shipped off-site.
- A. Date that each load is discharged or deposited.
 - B. Waste name (as identified in Special Condition 3).
 - C. Name, location and IEPA identification number of the off-site receiving facility (if applicable).
 - D. Supplemental waste stream permit number (authorization number) under which the waste is to be received at the off-site facility (if applicable).
 - E. Number of the manifest under which the waste is to be shipped.
 - F. Volume of each load waste discharged, deposited or shipped off-site.
 - G. Disposition of waste (discharged, deposited or shipped off-site).
14. The information required to be traced in the facility's operating record by Conditions 12 and 13 above shall be made available to the Agency upon written or verbal request.
15. On a quarterly basis, a random grab sample of the sludge and stabilization product waste stream shall be taken. This sample shall be analyzed in accordance with the facility's approved waste analysis plan. The results of these analyses shall be placed in the facility's operating record and be made available to the Agency upon written or verbal request.
16. All loading and unloading of special wastes shall be accomplished over non-earthen spill containment structures or devices.
17. This facility shall be operated in accordance with this Agency's Divisions of Water and Air Pollution Control permits.
18. Only non-hazardous special wastes as defined in 35 IAC 722.111 may be received for treatment at this facility.
19. Special wastes received at the facility for treatment or recovery shall be transported to the facility utilizing the Agency's Supplemental Waste Stream Permit and Manifest System.



20. Special wastes generated at the facility for disposal, storage, incineration or further treatment elsewhere shall be transported to the receiving facility utilizing the Agency's Supplemental Permit and Manifest System.
21. The Agency shall be notified and initiation of the closure plan, submitted pursuant to 35 Ill. Adm. Code 807.205(1), shall be implemented within 30 days after this unit ceases operations.
22. This permit is subject to review and modification by the Agency as deemed necessary to fulfill the intent and purpose of the Environmental Protection Act, and all applicable environmental rules and regulations.
23. Any modification to the facility shall be the subject of an application for supplemental permit for site modification submitted to this Agency.
24. Permittee shall notify the Agency of any changes from the information submitted to the Agency in its application for a developmental and operating permit for this site. Permittee shall notify the Agency of any changes in the names or addresses of both beneficial and legal titleholders to the herein-permitted site. Such notification shall be made in writing within fifteen (15) days of such change and shall include the name or names of any parties in interest and the address of their place of abode; or, if a corporation, the name and address of its registered agent.
25. The applicant must notify the Agency in writing (by way of LPC-PA1, General Application for Permit and LPC-PA4, Application for Operating Permit) that the development of the site has been completed in accordance with the developmental permit before a pre-operation site inspection can be scheduled and conducted or an operating permit issued.
26. Three copies of all certifications with original signatures, logs or reports which are required to be submitted to the Agency by the permittee shall be mailed to the following address:

Illinois Environmental Protection Agency
Planning and Reporting Section
Division of Land Pollution Control - #24
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276



Page 7

Very truly yours,

Lawrence W. Eastep

Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

^{LWE}
LWE:CLS:ct,3366n,10-16

cc: Division File
Maywood Region
Planning and Reporting Section
D. W. Clay
C. L. Smith
Jackie Neuber - DAPC Permits
Sandra Bron - DWPC Permits

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1510-90

RECEIVED OCT 22 1990
PERMIT NO.: 1990-EN-1510

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS
PREPARED BY: Baxter and Woodman

DATE ISSUED: October 17, 1990

SUBJECT: LIQUID RECOVERY SYSTEMS, INC. - Industrial Pretreatment System for
Centralized Waste Treatment Plant (MWRDGC-Calumet)

PERMITTEE TO CONSTRUCT

Liquid Recovery Systems, Inc.
123 North Northwest Highway
Park Ridge, Illinois 60068

PERMITTEE TO OWN

Stony Island Reclamation Company
123 North Northwest Highway
Park Ridge, Illinois 60068

Permit is hereby granted to the above designated permittee to construct water
pollution control facilities described as follows:

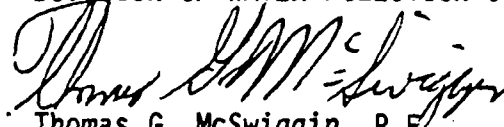
Revisions to non-hazardous liquid waste pretreatment facilities previously approved
under Permit No. 1988-EN-1064. Revised facilities will consist of 15,000 gallon Tank
T-1 miscellaneous waste, 15,000 gallon Tank T-2 waste to filter, 15,000 gallon Tank
T-3 oily waste, 15,000 gallon Tank T-4 untreatable wastes, 15,000 gallon Tank T-5
food waste, 37,000 gallon Tank T-6 food waste, 37,000 gallon Tank T-7 leachate, 6000
gallon Tank T-8 and T-9 special waste, 20,000 gallon Tank T-10 and T-11 effluent
control tanks, 5000 gallon Tank T-12 recovered fat and grease storage, 5000 gallon
Tank T-13 recovered oil storage, 9.6 square feet multimedia pressure filter, two 2000
pound series operated granular activated carbon units, two 256 square feet rotary
vacuum precoat filters, pug mill, solidification pit, belt conveyors to convey sludge
from the vacuum filters and pug mill to trucks, screw conveyors to meter lime and fly
ash from 1800 cubic feet storage silos to the pug mill, chemical feed systems for
caustic, sulfuric acid, and ferric chloride, pumps, tank mixers, chemical storage
tanks, piping, and other appurtenances.

Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED
WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:SB:sap/3610n, 11-14
cc: EPA - Region Maywood
Baxter and Woodman
Record
Binds
MWRDGC
DLPC, Clarence Smith

DIVISION OF WATER POLLUTION CONTROL


Thomas G. McSwiggin, P.E.
Manager, Permit Section

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1510-90

PERMIT NO.: 1990-EN-1510

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

DATE ISSUED: October 17, 1990

PREPARED BY: Baxter and Woodman

SUBJECT: LIQUID RECOVERY SYSTEMS, INC. - Industrial Pretreatment System for
Centralized Waste Treatment Plant (MWRDGC-Calumet)

The pretreatment system will treat wastestreams in the following categories:

1. Food wastes requiring chemical addition.
2. Food wastes not requiring chemical addition.
3. Non-food wastes requiring chemical addition.
4. Non-food wastes not requiring chemical addition.
5. Wastes requiring separate treatment.
6. Non-hazardous landfill leachate.
7. Non-hazardous wastes to be solidified/stabilized.

The pretreatment system will discharge treated wastewater to the Metropolitan Water Reclamation District of Greater Chicago at the following permitted levels:

40,000 gpd DAF, 120,000 gpd DMF physical/chemical treated waste
36,000 gpd DAF, 95,000 gpd DMF leachate

In addition, 10,000 gpd DAF, 40,000 gpd DMF, will be routed to the pug mill with landfill disposal. This permit supercedes and replaces Permit No. 1988-EN-1064 which was previously issued to Land and Lakes Company for this facility.

This Permit is issued subject to the following Special Condition(s). If such Special Condition(s) require(s) additional or revised facilities, satisfactory engineering plan documents must be submitted to this Agency for review and approval for issuance of a Supplement Permit.

SPECIAL CONDITION 1: The issuance of this permit does not relieve the permittee of the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to Section 301, 306, or 307 of the Federal Clean Water Act of 1977.

SPECIAL CONDITION 2: The issuance of this permit does not relieve the permittee of the responsibility of complying with any limitations and provisions imposed by the Metropolitan Water Reclamation District of Greater Chicago on the operation of these facilities.

Continued on Page 3

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

LOG NUMBERS: 1510-90

PERMIT NO.: 1990-EN-1510

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS
PREPARED BY: Baxter and Woodman

DATE ISSUED: October 17, 1990

SUBJECT: LIQUID RECOVERY SYSTEMS, INC. - Industrial Pretreatment System for
Centralized Waste Treatment Plant (MWRDGC-Calumet)

SPECIAL CONDITION 3:

- a) Liquids, solids, or gases which by reason of their nature or quantity may cause fire or explosion; or be injurious in any other way to sewers, treatment works, structures or to the operation of the treatment works, or cause a safety hazard to the personnel operating the treatment works, or cause the effluent from the treatment works to violate applicable effluent standards are prohibited;
- b) Solid or viscous wastes which cause obstruction to the flow in sewers or other interference with the proper operation of any sewer or treatment works are prohibited.

SPECIAL CONDITION 4: All sludges generated on site shall be disposed of at a site and in a manner acceptable to the Agency and in accordance with all Division of Land Pollution Control permit requirements.

SPECIAL CONDITION 5: There shall be no arrangement or cross connection by which an unsafe substance may enter the potable portion of a public water supply. The permittee shall comply with Illinois Pollution Control Board regulations 35 Ill. Adm. Code, Subtitle F: Public Water Supplies, Section 607.104 and Illinois Environmental Protection Agency Technical Policy Statements 35 Ill. Adm. Code, Subtitle F, Chapter II, Sections 653.801 through 653.805.

SPECIAL CONDITION 6: The permittee shall maintain records of carbon change-out periods for the activated carbon units which shall be made available to Agency personnel upon request. Records shall be retained for a minimum of three years.

SPECIAL CONDITION 7: The permittee shall obtain a Supplemental Permit for any increases in flows exceeding the herein permitted design values.

SPECIAL CONDITION 8: Within ninety days of completion of construction of this project, the permittee shall forward two complete sets of As-Built Plans and Specifications to the Agency at the following addresses:

Illinois Environmental Protection Agency
Division of Water Pollution Control, Permit Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

Illinois Environmental
Division of Water Pollution Control, Field Operations
Suite 600, Eisenhower Building
1701 First Avenue
Maywood, Illinois 60153



217/782-2113

OPERATING PERMIT

PERMITTEE

Liquid Recovery Systems
Attn: Daniel R. Wierc, P.E.
123 North Northwest Highway
Park Ridge, Illinois 60068

Application No.: 86090044	I.D. No.: 031600FEP
Applicant's Designation: 031600FEP	Date Received: June 27, 1990
Subject: Non-Hazardous Waste Treatment Facility	
Date Issued: September 25, 1990	Expiration Date: June 27, 1995
Location: 1920 East 122nd Street, Chicago	

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment consisting of non-hazardous waste treatment facility consisting of six loading bays; tanks T-1 (15,000 gal) miscellaneous waste, T-2 (15,000 gal) waste to filter only, T-3 (15,000 gal) oily waste, T-4 (15,000 gal) untreatable wastes, T-5 (15,000 gal) food waste, T-6 (30,000 gal) food waste, T-7 (30,000 gal) leachate, T-8 (6000 gal) special waste, T-9 (6000 gal) special waste, T-12 (5000 gal) recovered fat and grease storage, T-13 (5000 gal) recovered oil storage all with carbon adsorption systems each; T-10, -11 (20,000 gal each) effluent control tanks; lime silo and fly ash silo with dust collectors; sludge and slurry holding tanks; two mixers and vacuum filters; sand filter; pugmill and grinders and associated equipment as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. Only non-hazardous wastes shall be treated at this facility.
2. This permit is issued based upon a minimal hourly emission rate and negligible annual emissions (less than 0.1 ton/year) of organic material from the waste treatment processes.
3. This permit is issued based on negligible emissions of particulate matter from the waste treatment processes. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.